

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4) and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current and (((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 13:46
L2	0	("2002/0116100").URPN.	USPAT	OR	ON	2006/10/01 13:45
L3	12	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) near9 (winding phase coil)) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4) and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current and (((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 13:58
L4	43	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) near9 (winding phase coil)) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (position\$4 angle rotor) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and ((lock\$4 stall\$4) near4 (motor rotor)) and temperature and (maximum limit threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:54
L5	9	("3903456"   "4022598"   "4121140"   "5541494"   "5923135"   "5936820"   "6100660"   "6114828"   "6222333").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/01 14:01
L6	4	5 and (stall\$4 lock\$4) and torque and (sens\$4 detect\$4 monitor\$4 measur\$4) and temperature	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/01 14:03
L7	10	("3940669"   "5101315"   "5376869"   "5444351"   "5446362"   "5535115"   "5541494"   "5721479"   "5770901"   "5926010").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/01 14:32
S1	16	"318"/\$7.ccis. and torque and (stall\$4) and ((sens\$4 detect\$4) near4 temperature) and ((Sens\$4 detect\$4) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 16:16
S2	16	"318"/\$7.ccis. and torque and (stall\$4) and ((sens\$4 detect\$4) near4 temperature) and ((Sens\$4 detect\$4) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and (position\$4 angle angular)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:36
S3	16	"318"/\$7.ccis. and torque and (stall\$4) and ((sens\$4 detect\$4) near4 temperature) and ((Sens\$4 detect\$4) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and (position\$4 angle angular) and temperature and (Sens\$4 detect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:43
S4	4	("6338016").URPN.	USPAT	OR	ON	2006/09/26 18:43

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S5	16	"318"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and ((Sens\$4 detect\$4 monitor) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and (position\$4 angle angular) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:44
S6	16	"318"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and ((Sens\$4 detect\$4 monitor) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and (position\$4 angle angular hall\$4) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:45
S7	14	"701"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and ((Sens\$4 detect\$4 monitor) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and (position\$4 angle angular hall\$4) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:55
S8	14	"701"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and ((Sens\$4 detect\$4 monitor) near4 current) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and (position\$4 angle angular hall\$4 resolver) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:58
S9	25	"701"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 compensat\$4) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 18:59
S10	25	"701"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 19:22
S11	18	"318"/\$7.ccls. and torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 19:00
S12	101	torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 21:00
S13	80	torque and (stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor) and vehicle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 21:29
S14	4	torque and ((sens\$4 detect\$4 monitor\$4) near4 stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor) and vehicle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 21:30
S15	8	torque and ((sens\$4 detect\$4 monitor\$4) near4 stall\$4) and ((sens\$4 detect\$4 monitor\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor) near4 (angular position angle ) ) ) and ((decreas\$4 reduc\$4 reduction\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:04

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S21	18	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 stall\$4) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position angle )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:06
S22	13	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 stall\$4) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position angle )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:09
S23	13	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 stall\$4) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position angle )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:10
S24	13	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 stall\$4) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:13
S25	14	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 stall\$4) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:15
S26	32	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (standstill stall\$4 malfunction error)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:26
S27	163	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (standstill stall\$4 malfunction error)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:27
S28	32	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:28

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S29	163	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near4 torque) and ( temperature near4 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:34
S30	56	S29 and ("180"/\$ "318"/\$ "701"/\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 02:08
S31	276	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:38
S32	66	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:40
S33	55	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4 and ((angle angular position rotat\$4) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 22:43
S34	54	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4 and ((angle angular position ) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 01:02
S35	54	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4 malfunction error)) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive (greater\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4 and ((angle angular position ) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 01:50
S36	35	torque and ((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4 ) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and stall\$4 and ((angle angular position ) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 02:02

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S37	39	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 (standstill stall\$4) ) and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution) ) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 02:06
S38	1243	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution) ) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 02:11
S39	203	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution) ) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 02:08
S40	82	S39 and ("180"/\$ "318"/\$ "701"/\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 02:10
S41	525	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution) ) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 23:56
S42	12	(US-20030130772-\$ or US-20030076065-\$ or US-20020109473-\$ or US-20050156545-\$ or US-20050206340-\$).did. or (US-6900607-\$ or US-6002979-\$ or US-7071649-\$ or US-5227703-\$ or US-6338016-\$ or US-5661384-\$ or US-6495981-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/30 23:47
S43	8	S42 and ((maximum limit threshold) near4 current) and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 23:49
S44	2	S42 and (((maximum limit threshold) near4 current) same temperature) and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 23:51
S45	2	S42 and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 23:51
S46	44	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution) ) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4) and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 00:53

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S47	40	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) ) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4) and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current and (((Sens\$4 detect\$4 monitor\$4 measur\$4) near4 (angle angular position )) hall\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 01:05
S48	36	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4) and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current and (((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 01:10
S49	36	torque and (((sens\$4 detect\$4 monitor\$4 measur\$4) near9 temperature) thermist\$4) and (hall\$4 resolver encoder ((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) and ((decreas\$4 reduc\$4 reduction\$4 lower\$4 ) near9 torque) and ( temperature near9 (exceed\$4 excessive limit\$4 maximum (greater\$2 adj2 than) (more\$2 adj2 than) threshold)) and temperature and (Sens\$4 detect\$4 monitor\$4 measur\$4) and ((angle angular position ) same temperature) and (lock\$4 stall\$4) and (((maximum limit threshold) near4 current) same temperature) and temperature and (maximum limit threshold) and current and (((Sens\$4 detect\$4 monitor\$4 measur\$4) near9 (angular position\$4 angle revolution )) hall\$4) same temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:28